

Title. METHOD AND SYSTEM FOR BENEFICIATING  
GASIFICATION SLAG

Inventor(s): Price et al.  
Application No: To be assigned  
Atty Dkt No: 046478.257670

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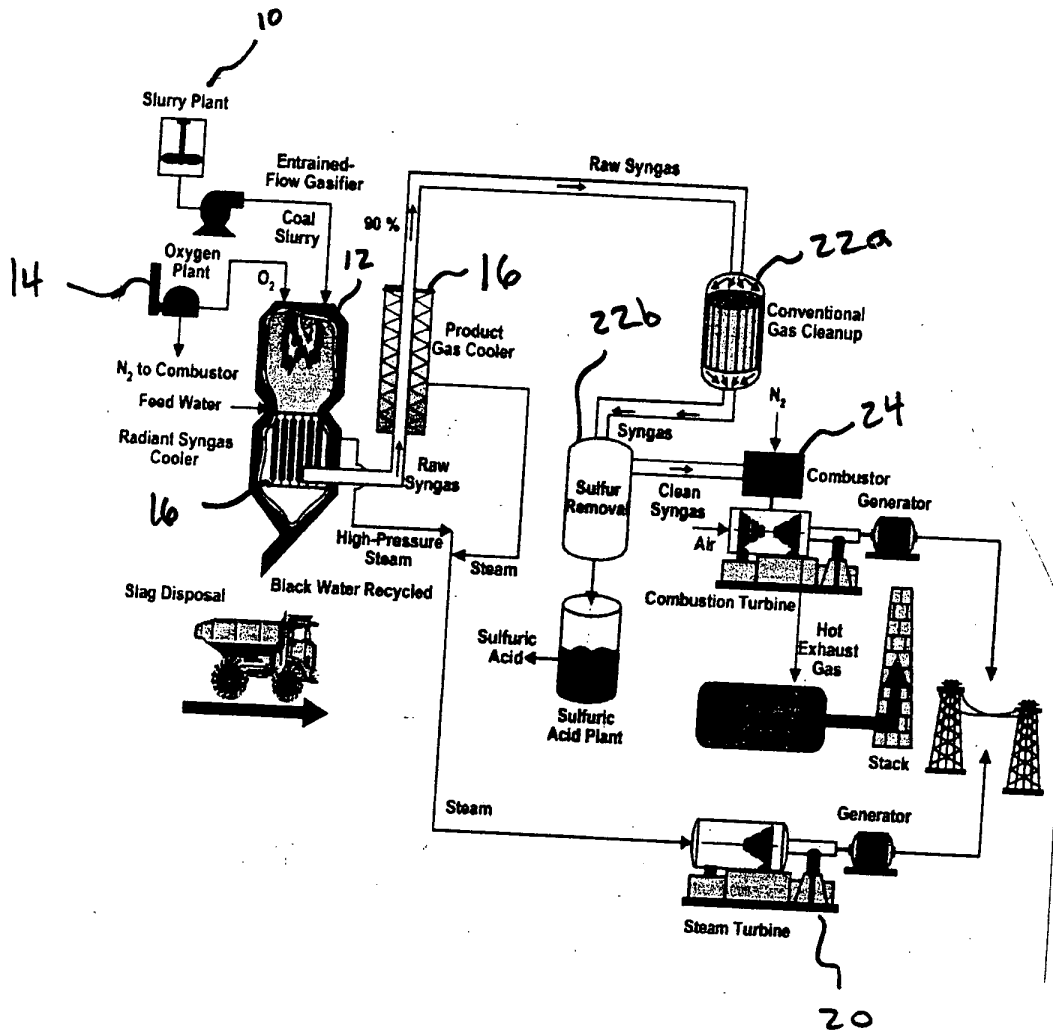


Figure 1

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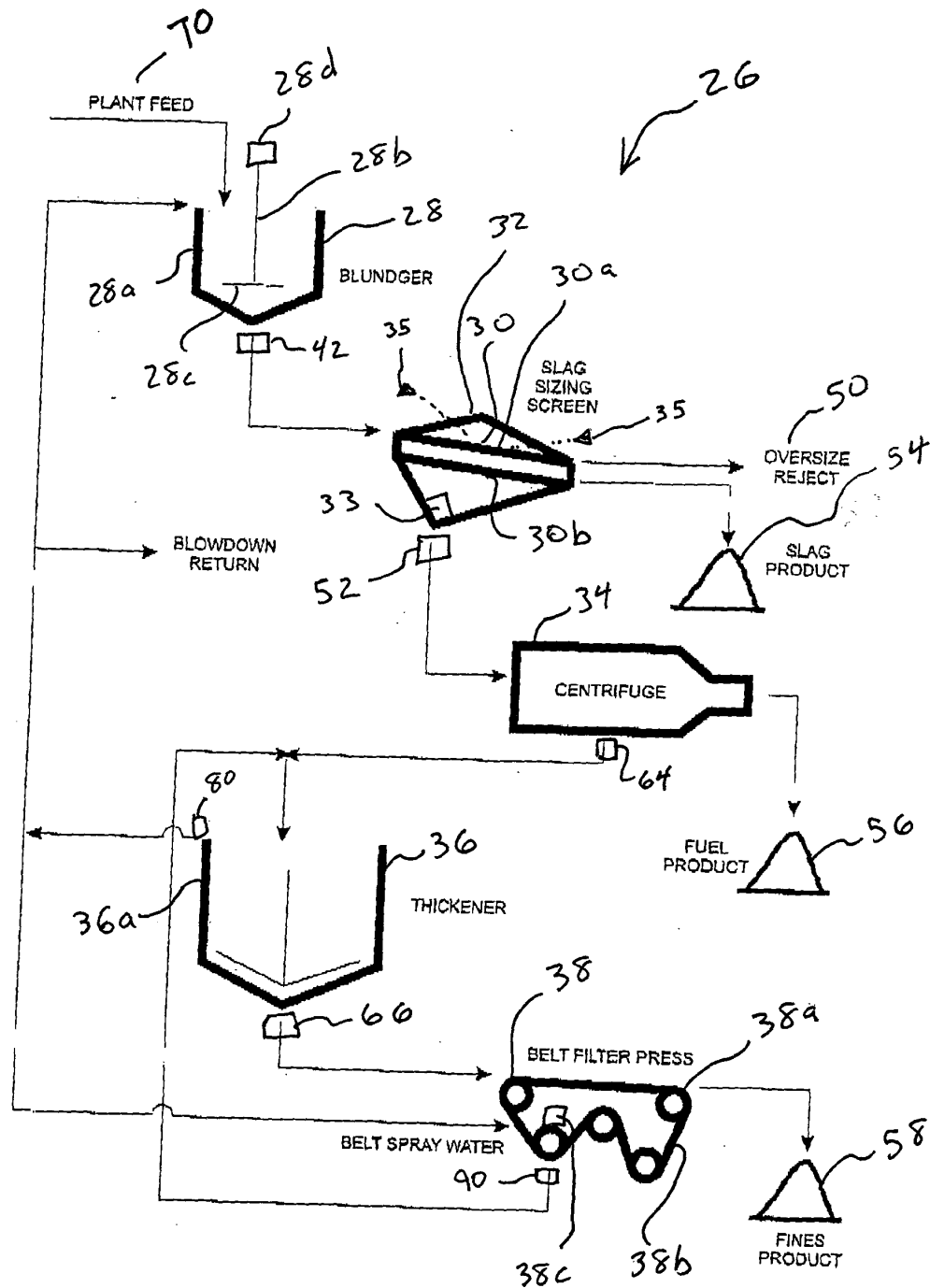


Figure 2

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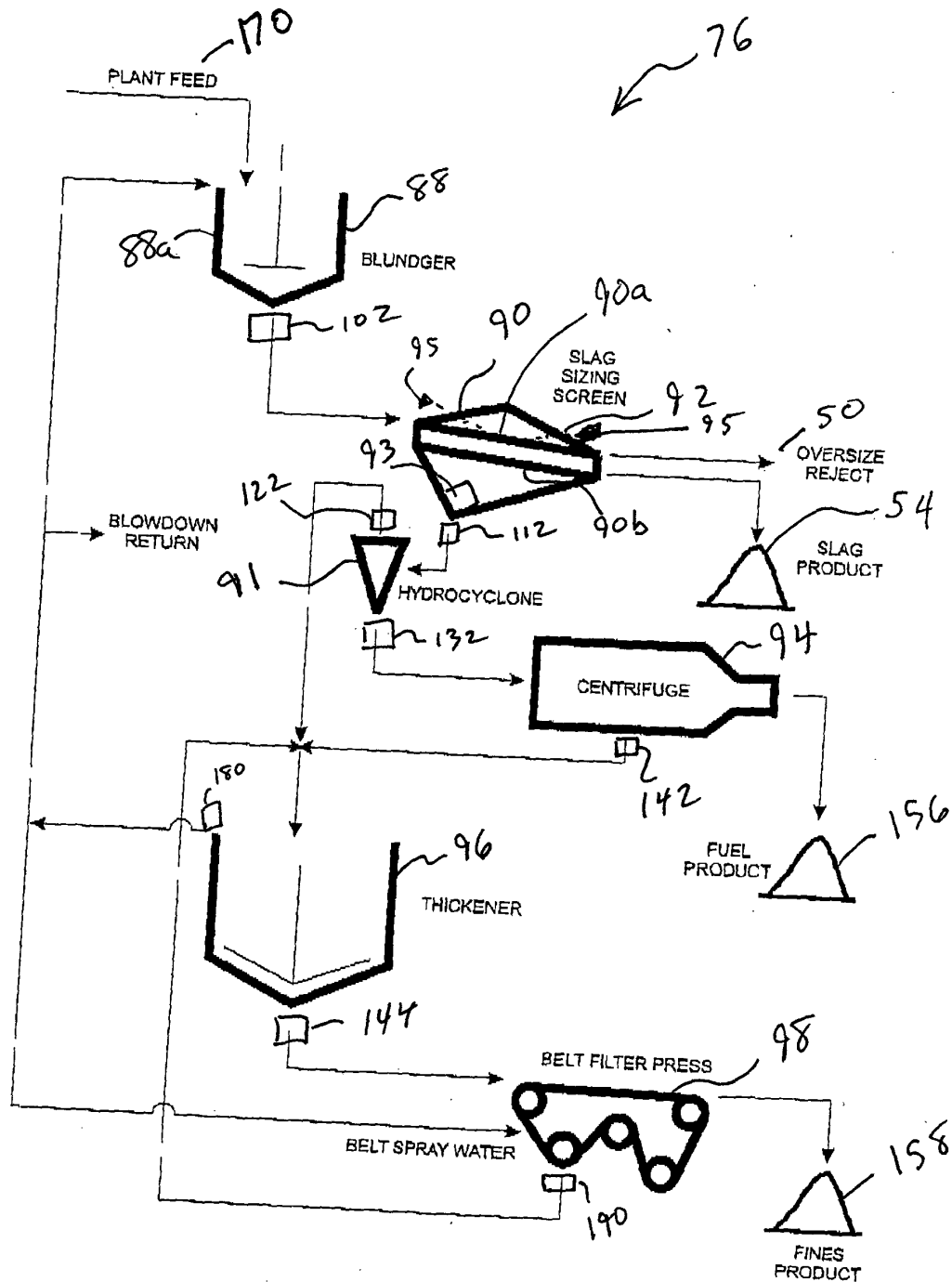


Figure 3

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Size Fraction (inches or mesh)	Weight %	LOI (%)
+1/2	0.20	45.00
-1/2+1/4	0.30	22.55
-1/4+4	0.36	9.63
-4+6	2.64	2.09
-6+20	29.11	1.20
-20+30	4.63	60.11
-30+40	6.91	65.17
-40+50	9.42	68.74
-50+60	4.86	62.47
-60+80	6.68	56.25
-80+100	4.01	32.28
-100+200	11.53	31.42
-200+325	6.02	27.74
-325	13.32	30.55
Total	100.00	31.81

Figure 4

	Size Fraction (mesh)	Weight %	LOI (%)	LOI Distribution (%)
Second Portion -	-4+20	32.6	1.83	1.9
Third Portion -	-20+80	32.5	63.25	64.6
Fourth Portion -	-80	34.9	30.55	33.5
	Total	100	31.81	100.0

Figure 5

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Size Fraction (mesh)	Size Fraction (microns)	Weight %	LOI %
12	+1410	63.4	0.15
-12+20	-1410+841	33.3	0.57
-20	-841	3.3	0.74
Total		100	0.31

Figure 6

Size Fraction (mesh)	Size Fraction (microns)	Weight %	LOI %
+20	+841	0.7	4.6
-20+80	-841+177	84.2	68.4
-80	-177	15.1	30.5
Total		100.0	63.22

Figure 7

Size Fraction (mesh)	Size Fraction (microns)	Weight %	LOI %
+100	+150	11.5	32.3
-100+200	-150+74	33.0	31.4
-200+325	-74+44	17.3	27.7
-325	-44	38.2	30.6
Total		100.0	30.5

Figure 8

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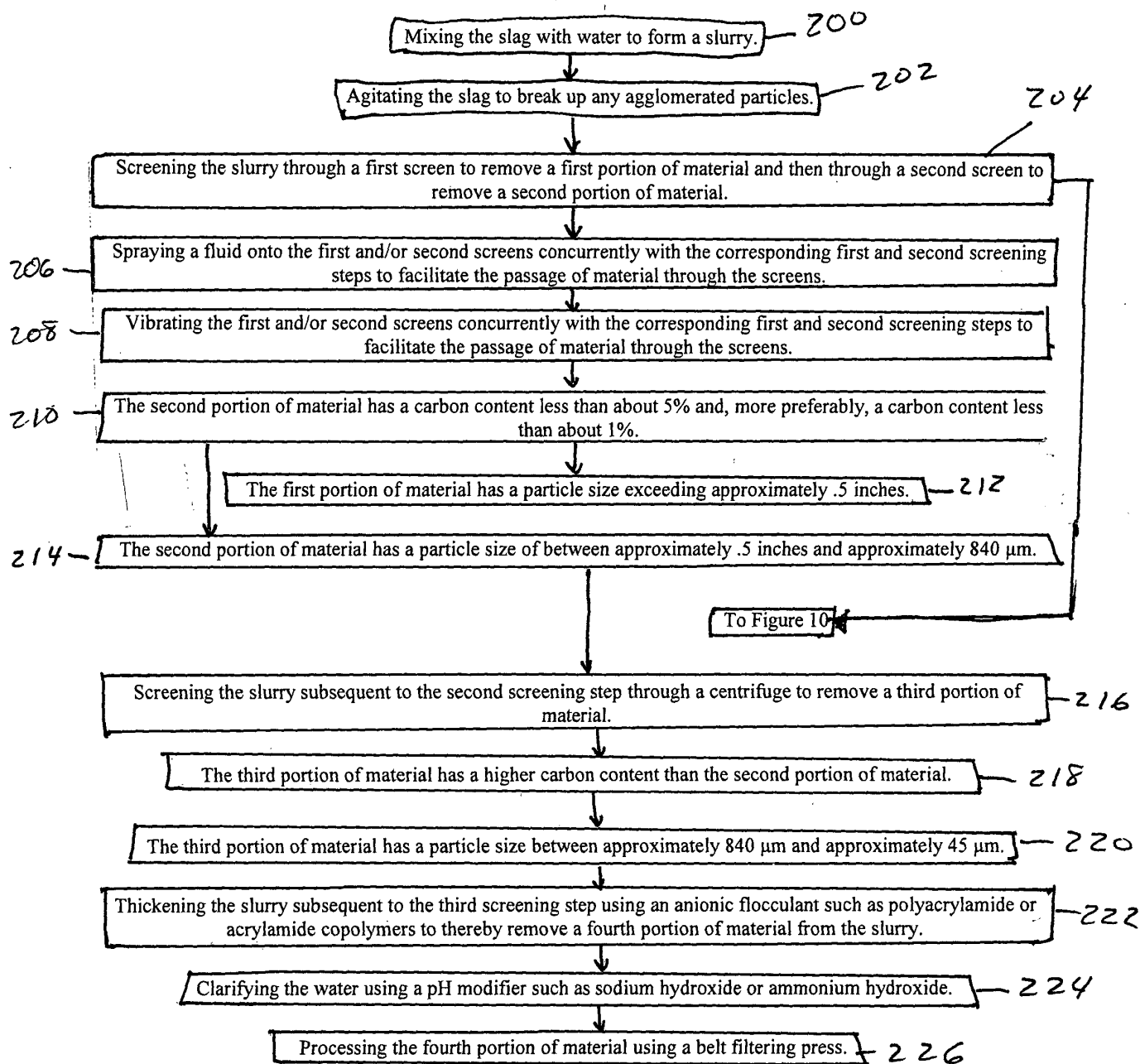
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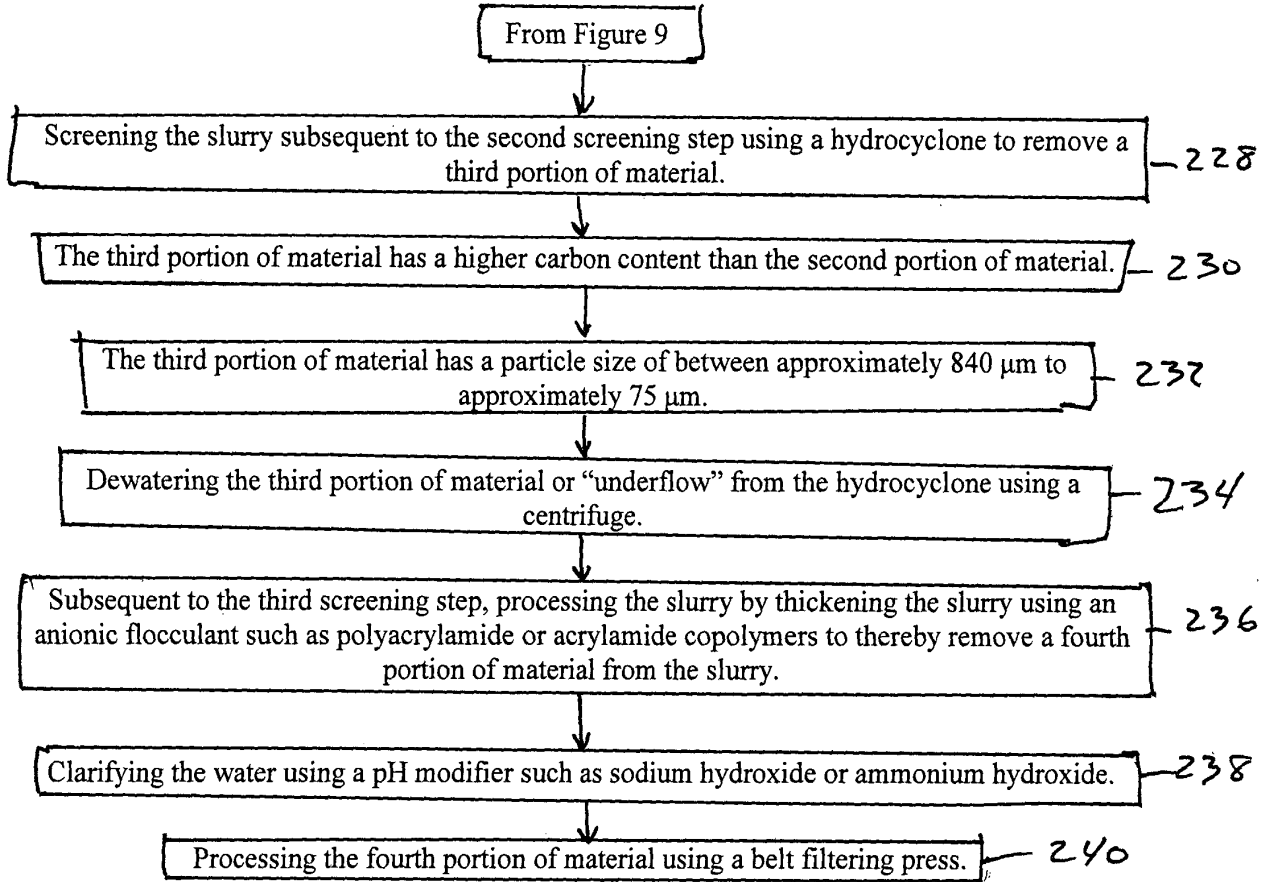
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**FIGURE 9**

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**FIGURE 10**